Environmental Monitoring Questionnaire (1/2)

DURAG GROUP

Customer / Project

Company		Final customer	
Project		Country end customer	
Order No.		Required certificate	
Inquiry No.		Plant type	
Contact		Fuel	
Phone		Plant capacity	
Email		Favoured device type	
Date		Number of devices	

Instrument Details

Instrument supply voltage ◯ 230 V/50 Hz ◯ 115 V/60 Hz ◯ other*: ____ V/ ____ Hz ◯ 1-phase ◯ 2-phase

Purge air fan (if required) ◯ 115/230 V 50/60 Hz ◯ 3-phase 230/400 V 50 Hz, 245/430 V 60 Hz ◯ other*: ____ V/ ____ Hz ◯ 1-phase ◯ 3-phase

*possible surcharge

F-904-20 and HM 1400 TRX gas sampling devices ONLY:

Distance between sampling point and analyzer ____ m, pref. <20 m for F-904-20, <15 m for HM 1400 TRX

Measured Components

☐ Dust concentration*	Measuring range 0…		mg/m³
☐ Opacity	Measuring range 0…		% Opacity
☐ Soot number*	Measuring range 0…		RZ (Bacharach)

☐ Gas velocity Measuring range 0… ____ m/s

☐ Temperature sensor required ☐ Pressure sensor for calculation of standard flow Nm³/h required

D-FL 100: ◯ ΔP Sensor mounted on the probe ◯ ΔP via hose/pipe connection Counter support ◯ yes ◯ no

☐ Total mercury* Measuring range 0… ____ µg/m³

* Needs reference calibration performed by accredited institute (if required)

Standard Plant Conditions

	min.	avg.	max.		
Ambient temperature				°C	
Ambient humudity				% r.H.	
Ambient pressure				◯ hPa	◯ mbar
Stack gas temperature				°C	
Stack gas pressure				◯ hPa	◯ mm H_2O
Water in stack gas				◯ Vol.%	◯ g/m³
Water dew point				°C	
Acid dew point				°C	
Stack gas velocity				m/s	
Stack gas volume				◯ m³/h	◯ Nm³/h
Stack gas quantity				◯ kg/s	◯ kg/h
Standard gas density				kg/Nm³	
Dust				◯ mg/m³	◯ mg/Nm³
Mean dust particle size				µm	
SO_2				◯ mg/m³	◯ ppm
NO_2				◯ mg/m³	◯ ppm
CO				◯ mg/m³	◯ ppm
O_2				◯ Vol.%	◯ ppm
HCl				◯ mg/m³	◯ ppm
HF				◯ mg/m³	◯ ppm
Hg				◯ µg/m³	◯ ppm
NH_3				◯ mg/m³	◯ ppm

Type of filters installed upstream of the sample point

◯ Electrostatic precipitator ESP ◯ Bag house ◯ Wet scrubber ◯ other: ____

Area classification ◯ Non-Ex ◯ Zone ____ Class ____ Devision ____

Occurances of temperatures below dew point ◯ none ◯ weekly ◯ daily

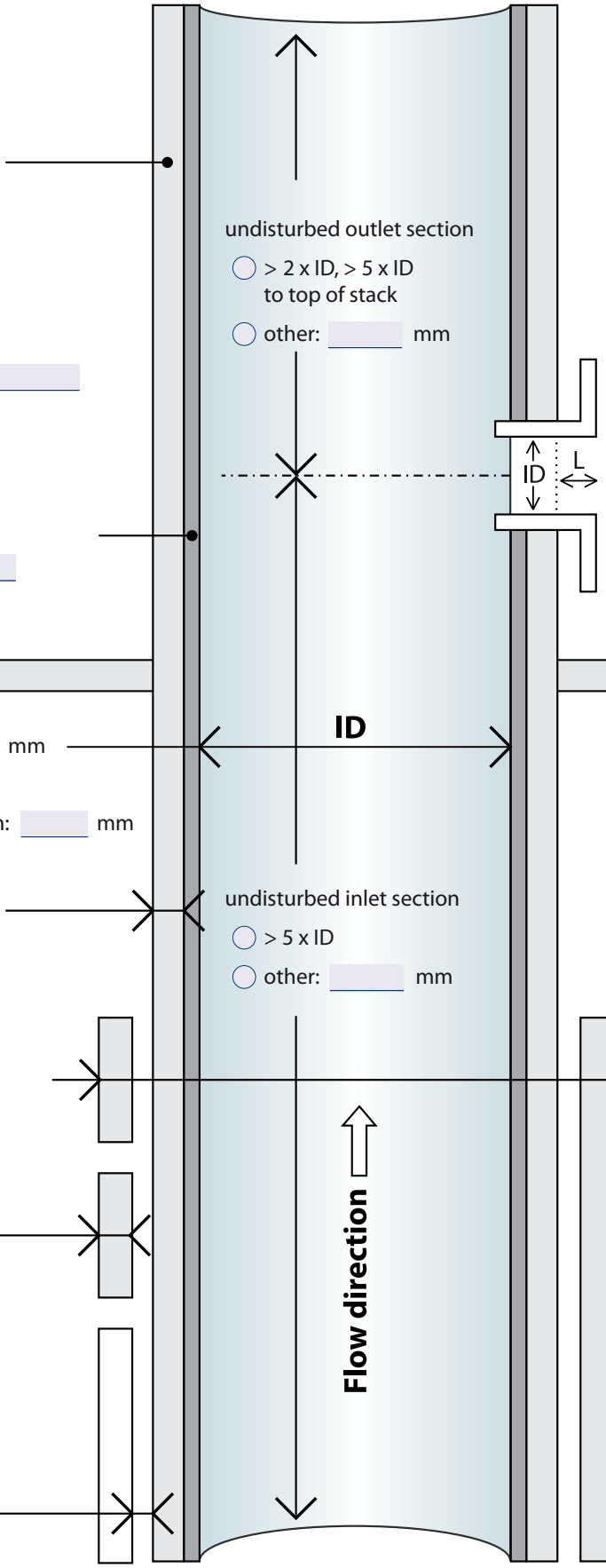
Environmental Monitoring Questionnaire (2/2)

DURAG GROUP

Stack/Duct Details

Mounting location ◯ indoor ◯ outdoor ◯ Weather protection cover required

Stack/duct orientation ◯ horizontal ◯ vertical



Stack/duct material

- ◯ carbon (mild) steel
- ◯ stainless steel
- ◯ brick
- ◯ concrete
- ◯ FRP
- ◯ other: _____

undisturbed outlet section

- ◯ > 2 x ID, > 5 x ID to top of stack
- ◯ other: _____ mm

◯ **Mounting flange required**

flange material

- ◯ carbon (mild) steel
- ◯ stainless steel
- ◯ other: _____

◯ **Flange already available**

Flange orientation

◯ ◯

Typ _____

L _____

ID _____

Internal lining/material

☐ _____

Stack/duct shape

◯ circular

Internal diameter _____ mm

◯ rectangular

width: _____ mm x depth: _____ mm

Platform required

Stack wall thickness

_____ mm

undisturbed inlet section

- ◯ > 5 x ID
- ◯ other: _____ mm

External diameter

_____ mm

Insulation thicknes

_____ mm

Double walled stack

◯ yes ◯ no

space between walls

_____ mm

Additional Information

_____ **Page (s) enclosed**

You can mail this form directly from the file menu of Acrobat Reader

Print Reset

©DURAG GROUP 03/2017

DURAG GmbH
Kollaustraße 105 · 22453 · Hamburg · Germany · www.durag.com
Tel.: +49 (0)40 55 42 18 - 0 · Fax +49 (0)40 58 41 54 · Email: info@durag.de